IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method of simulating operating conditions of a telecommunication system including a plurality of radio base stations and a plurality of mobile transceivers, comprising:

computing at least one value of at least one interference parameter of one of said mobile transceivers, the at least one interference parameter being indicative of an amount of interference affecting a communication between said mobile transceiver and an associated radio base station;

identifying radio base stations and mobile transceivers that generate an ~~a significant~~ amount of interference attaining a predetermined level of significance and affecting said communication; and

selecting data of radio base stations and mobile transceivers identified during the identification step for an execution of the computing step.

2. (Original) A method according to claim 1, further comprising:

a step of creating, for a given cell including a radio base station, a neighbor list containing identities of neighbor cells including radio base stations with which a mobile transceiver in said given cell could potentially establish a communication, the identification step identifying neighbor cells of said given cell including the mobile transceiver to which the at least one interference parameter is computed.

3. (Original) A method according to claim 2, wherein the identification step comprises:

identifying cells which are neighbors to a predetermined degree of said given cell including the mobile transceiver to which the at least one interference parameter is computed.

4. (Currently Amended) A simulation device for simulating operating conditions of a telecommunication system including a plurality of radio base stations and a plurality of mobile transceivers, comprising:

computing means for computing at least one value of an interference parameter of at least one of said mobile transceivers, the interference parameter being indicative of an

amount of interference affecting a communication between said mobile transceiver and an associated radio base station;

identification means for identifying radio base stations and mobile transceivers that generate an ~~a significant~~ amount of interference <u>attaining a predetermined level of significance and</u> affecting said communication; and

selection means for selecting data of radio base stations and mobile transceivers identified by the identification means for computation by the computing means.

5. (Original) A simulation device according to claim 4, further comprising:

list generation means for creating, for a given cell including a radio base station, a neighbor list containing identities of neighbor cells including radio base stations with which a mobile transceiver in said given cell could potentially establish a communication, the identification means identifying neighbor cells of said given cell including the mobile transceiver to which the interference parameter is computed.

6. (Original) A simulation device according to claim 5, wherein the identification means identify cells which are neighbors to a predetermined degree of said given cell including the mobile transceiver to which the interference parameter is computed.

7. (Original) A simulation device according to claim 4, comprising:

simulation means for simulating movements and ongoing communications of said mobile transceivers according to a given set of operating conditions of the radio base stations and transceivers, said simulation means including the computing means, the identification and selection means; and

management means for updating said given set of operating conditions of the radio base stations and transceivers with respect to said simulated movements and ongoing communications of said mobile transceivers, said management means including the list generation means,

wherein the simulation and management means operate asynchronously with respect to each other.

8. (Currently Amended) A method of testing a radio network controlling unit configured to manage ongoing communications between mobile transceivers and radio base stations in an actual deployment of a telecommunication system, comprising:

using ~~the~~ a simulation device ~~claimed in claim 7~~ to simulate a behavior of said radio network controlling unit, said radio network controlling unit substituting for a management module, by performing the steps of:

computing at least one value of an interference parameter of at least one of said mobile transceivers, the interference parameter being indicative of an amount of interference affecting a communication between said at least one mobile transceiver and an associated radio base station;

identifying radio base stations and mobile transceivers that generate an amount of interference attaining a predetermined level of significance and affecting said communication;

selecting data of radio base stations and mobile transceivers identified by the identifying step for computation;

simulating movements and ongoing communications of said mobile transceivers according to a given set of operating conditions of the radio base stations and transceivers; and

updating said given set of operating conditions of the radio base stations and transceivers with respect to said simulated movements and ongoing communications of said mobile transceivers,

wherein the simulating and updating steps operate asynchronously with respect to each other.

9. (Currently Amended) A method of testing a radio base station configured to be included in a simulated telecommunication system when actually deployed, comprising:

using ~~the~~ a simulation device ~~claimed in claim 7~~ to simulate a behavior of said radio base station, said radio base station being connected to a simulation module, by performing the steps of:

computing at least one value of an interference parameter of at least one of said mobile transceivers, the interference parameter being indicative of an amount of interference affecting a communication between said at least one mobile transceiver and an associated radio base station;

identifying radio base stations and mobile transceivers that generate an amount of interference attaining a predetermined level of significance and affecting said communication;

selecting data of radio base stations and mobile transceivers identified by the identifying step for computation;

simulating movements and ongoing communications of said mobile transceivers according to a given set of operating conditions of the radio base stations and transceivers; and

updating said given set of operating conditions of the radio base stations and transceivers with respect to said simulated movements and ongoing communications of said mobile transceivers,

wherein the simulating and updating steps operate asynchronously with respect to each other.

10. (Currently Amended) A simulation device for simulating operating conditions of a telecommunication system including a plurality of radio base stations and a plurality of mobile transceivers, comprising:

a computing device configured to compute at least one value of an interference parameter of at least one of said mobile transceivers, the interference parameter being indicative of an amount of interference affecting a communication between said mobile transceiver and an associated radio base station;

an identification device configured to identify radio base stations and mobile transceivers that generate a significant an amount of interference attaining a predetermined level of significance affecting said communication; and

a selection device configured to select data of radio base stations and mobile transceivers identified by the identification device for computation by the computing device.

11. (Original) A simulation device according to claim 10, further comprising:

a list generation device configured to create, for a given cell including a radio base station, a neighbor list containing identities of neighbor cells including radio base stations with which a mobile transceiver in said given cell could potentially establish a communication, the identification device identifying neighbor cells of said given cell including the mobile transceiver to which the interference parameter is computed.

12. (Original) A simulation device according to claim 11, wherein the identification device identifies cells which are neighbors to a predetermined degree of said given cell including the mobile transceiver to which the interference parameter is computed.

13. (Original) A simulation device according to claim 10, comprising:

a simulation module configured to simulate movements and ongoing communications of said mobile transceivers according to a given set of operating conditions of the radio base stations and transceivers, said simulation module including the computing device, the identification and selection devices; and

a management module for updating said given set of operating conditions of the radio base stations and transceivers with respect to said simulated movements and ongoing communications of said mobile transceivers, said management module including the list generation device,

wherein the simulation and management modules operate asynchronously with respect to each other.

14. (New) A method according to claim 1, wherein the identifying comprises identifying radio base stations and mobile transceivers that generate an amount of interference attaining a predetermined level of significance, but not radio base stations and mobile transceivers that generate an amount of interference attaining a predetermined level of maximum significance, to dispense with a need to establish a ranking of amounts of interference.

15. (New) A method according to claim 1, wherein the identifying comprises using a degree of significance expressed by choosing at least one specific criterion decorrelated from the data.

16. (New) A method according to claim 2, wherein the step of creating a neighbor list comprises creating a list comprising cells generated by a radio network controller and broadcasted to all mobile transceivers included in each given cell.

17. (New) A method according to claim 2, wherein the step of creating a neighbor list comprises creating a list comprising cells having a coverage area geographically adjacent to a coverage area of said given cell.

18. (New) A method according to claim 2, further comprising discarding all data not pertaining to cells included in the neighbor list of said given cell.

19. (New) A simulation device according to claim 10, wherein the identification device is configured to identify radio base stations and mobile transceivers that generate an amount of interference attaining a predetermined level of significance, but not radio base stations and mobile transceivers that generate an amount of interference attaining a predetermined level of maximum significance, to dispense with a need to establish a ranking of amounts of interference.

20. (New) A simulation device according to claim 10, wherein the identification device is configured to use a degree of significance expressed by choosing at least one specific criterion decorrelated from the data.

21. (New) A simulation device according to claim 11, wherein the list generation device is configured to create a neighbor list comprising cells generated by a radio network controller and broadcasted to all mobile transceivers included in each given cell.

22. (New) A simulation device according to claim 11, wherein the list generation device is configured to create a neighbor list comprising cells having a coverage area geographically adjacent to a coverage area of said given cell.

23. (New) A simulation device according to claim 11, wherein all data not pertaining to cells included in the neighbor list of said given cell is discarded.

24. (New) A simulation device according to claim 10, comprising:
a first memory configured to store a first database of geographical data pertaining to a landscape over which the telecommunication system is to be deployed;

a second memory configured to store a second database of data pertaining to radio base stations forming a network in the telecommunication system; and

a third memory configured to store a third database of collections of files, each file being associated with a mobile transceiver to appear during the simulation.

25. (New) A simulation device according to claim 24, wherein each file contains in chronological order successive coordinates and speeds attributed to ongoing communications between each mobile transceiver and a base station.

26. (New) A simulation device according to claim 25, wherein each file further contains in chronological order transmission powers or data rates attributed to ongoing communications between each mobile transceiver and a base station.

27. (New) A simulation device according to claim 13, comprising:

a first memory configured to store a first database of geographical data pertaining to a landscape over which the telecommunication system is to be deployed;

a second memory configured to store a second database of data pertaining to radio base stations forming a network in the telecommunication system; and

a third memory configured to store a third database of configured to store collections of files, each file being associated with a mobile transceiver to appear during the simulation.

28. (New) A simulation device according to claim 27, wherein each file contains in chronological order successive coordinates and speeds attributed to ongoing communications between each mobile transceiver and a base station.

29. (New) A simulation device according to claim 28, wherein each file further contains in chronological order transmission powers or data rates attributed to ongoing communications between each mobile transceiver and a base station.